

Appl. No. 10/796,452
Reply to Office action of May 16, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Claim 6 is amended.

Listing of Claims:

1. (Original) A magnetostriction-type torque sensor comprising:
a shaft formed of a magnetic material and provided with at least magnetostrictive film;
an exciting coil for exciting the magnetostrictive film provided on the shaft;
a detection coil for detecting a change in a magnetic field; and
yoke portions respectively provided around outer peripheries of the exciting coil and the detection coil; and
magnetic shield section formed of a magnetic material provided around the outer periphery of the yoke portion.
2. (Original) The torque sensor according to claim 1, wherein the magnetic shield section is formed of a magnetic material exhibiting a low coercive force characteristic.
3. (Original) The torque sensor according to claim 1, wherein
a predetermined distance is provided between the magnetic shield section and the yoke portion.
4. (Original) The torque sensor according to claim 1, wherein
the magnetic shield section is disposed parallel to the shaft so as to uniformly impart a magnetic effect from an outside world to the shaft.
5. (Original) The torque sensor according to claim 1, wherein
the torque sensor is mounted as a sensor for detecting a torque occurring in a steering system of a vehicle having an electric power steering apparatus.

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6. (Currently Amended) A magnetostriction-type torque sensor comprising:
- a shaft formed of a magnetic material and provided with at least a magnetostrictive film;
 - an exciting coil for exciting the magnetostrictive film provided on the shaft;
 - a detection coil for detecting a change in a magnetic field; and
 - yoke portions respectively provided around outer peripheries of both the exciting coil and the detection coil; and
 - a magnetic shield section formed of a magnetic material covering an entire torque sensor.